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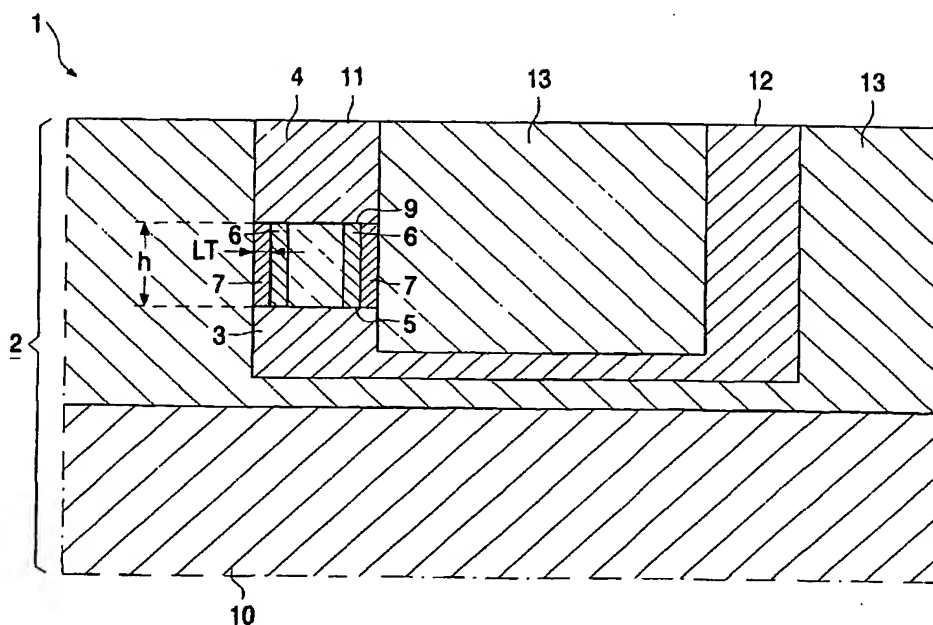
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(54) Title: **ELECTRIC DEVICE WITH PHASE CHANGE MATERIAL AND PARALLEL HEATER**



(57) Abstract: The electric device (1, 100) has a body (2, 102) having a resistor (7, 107) comprising a phase change material being changeable between a first phase and a second phase. The resistor (7, 107) has a first electrical resistance when the phase change material is in the first phase and a second electrical resistance, different from the first electrical resistance, when the phase change material is in the second phase. The body (2, 102) further has a heating element (6, 106) being able to conduct a current for enabling a transition from the first phase to the second phase. The heating element (6, 106) is arranged in parallel with the resistor (7, 107).

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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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IPC 7 H01L27/24 H01L45/00

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B. FIELDS SEARCHED

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EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/039310 A1 (CHIANG CHIEN ET AL) 4 April 2002 (2002-04-04) paragraphs '0029!', '3032!', '0033!', '0047!', '0049!' - '0051!', '0053!', '0060!; figures 1,14,18	1,4,5, 7-12
X	US 5 933 365 A (KLERSY PATRICK ET AL) 3 August 1999 (1999-08-03) column 15, line 5 - column 17, line 15; figures 1,3	1-3,5, 11,12
P,X	EP 1 331 675 A (ST MICROELECTRONICS SRL ; OVONYX INC (US)) 30 July 2003 (2003-07-30) paragraphs '0001!' - '0004!', '0717!', '0018!', '0020!', '0026!; figure 4	1,2,4, 7-10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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